

Status of claims

Claim No.	History	Status
1-14	Filed – November 21, 2003	Cancelled – August 12, 2005
15	Filed – November 21, 2003 Amended – August 12, 2005	Allowed – August 23, 2005
16-18	Filed – November 21, 2003	Cancelled – August 12, 2005
19	Filed – November 21, 2003 Amended – August 12, 2005	Allowed – August 23, 2005
20-23	Filed – November 21, 2003	Cancelled – August 12, 2005
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26	New – August 12, 2005 Amended herein	Pending
27-30	New – August 12, 2005	Pending
31	New – August 12, 2005 Amended herein	Pending
32-35	New – August 12, 2005	Pending

Claim amendments

- 26** (Amended) A method of monitoring refrigeration equipment having a compressor, a condenser, an evaporator and a refrigeration chamber comprising:
- (a) continuously sensing the values of selected operating parameters of the refrigeration equipment; and
 - (b) performing equipment checks on the sensed values to identify existing or incipient problems with the refrigeration equipment;

wherein:

the sensed values of the operating parameters are sampled at regular intervals and the sampled values are inserted into a database to maintain a time series of the recent history of each operating parameter, each time series comprising more than one pair of values, each pair of values comprising the sampled value of an operating parameter and a value representing the point in time at which the sample was sensed;

and

the refrigeration equipment is actively monitored for existing or incipient equipment problems by repeatedly retrieving the entire stored time series of the recent history of one or more operating parameters and tracking the trend of each said operating parameter by examining the interrelationship over time of values from each of the time series so retrieved from the database.

- 31** (Amended) Apparatus for monitoring refrigeration equipment having a compressor, a condenser, an evaporator and a refrigeration chamber comprising:
- (a) one or more sensors for continuously sensing the values of selected operating parameters of the refrigeration equipment; and
 - (b) a monitor for performing equipment checks on the sensed values to identify existing or incipient problems with the refrigeration equipment;

wherein:

the sensed values of the operating parameters are sampled at regular intervals and the sampled values are inserted into a database to maintain a time series of the recent his-

tory of each operating parameter, each time series comprising more than one pair of values, each pair of values comprising the sampled value of an operating parameter and a value representing the point in time at which the sample was sensed;

and

the monitor actively monitors the refrigeration equipment for existing or incipient equipment problems by repeatedly retrieving the entire stored time series of the recent history of one or more operating parameters and tracking the trend of each said operating parameter by examining the interrelationship over time of values from each of the time series so retrieved from the database.